L Number	Hits		DB	Time stamp
1	6	(("5870753") or ("6629154") or ("6014733") or ("6438616") or	USPAT;	2003/11/26 08:11
		("6519652") or ("6182107")).PN.	ÚS-PGPUB; EPO; JPO	
-	1	("6604182").PN.	USPAT; US-PGPUB; EPO; JPO	2003/11/20 07:59
-	4	(("6604182") or ("6564223") or ("6401185") or ("6434685")).PN.	USPAT; US-PGPUB; EPO; JPO	2003/11/19 10:43
-	5	(("6604182") or ("6564223") or ("6401185") or ("6434685") or ("6457019")).PN.	USPAT; US-PGPUB; EPO; JPO	2003/11/19 14:56
-	84615	(stor\$3 retriev\$3 updat\$3) near5 object\$1	USPAT; US-PGPUB; EPO; JPO	2003/11/20 08:16
-	4220	((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory	USPAT; US-PGPUB; EPO; JPO	2003/11/19 14:59
-	2280	(((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array	USPAT; US-PGPUB; EPO; JPO	2003/11/19 14:59
-	1473	((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1	USPAT; US-PGPUB; EPO; JPO	2003/11/19 14:59
_	1227	(((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1) and (bit\$1 byte\$1)	USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:00
-	800	((((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1) and (bit\$1 byte\$1)) and class\$2	USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:00
-	314	(((((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1) and (bit\$1 byte\$1)) and class\$2) and hash\$3	USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:00
-	201	((((((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1) and (bit\$1 byte\$1)) and class\$2) and hash\$3) and (activat\$3)	USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:01
	179	(((((((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1) and (bit\$1 byte\$1)) and class\$2) and hash\$3) and (activat\$3)) and dynamic	USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:01
-	181	((((((((stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (allocat\$4 deallocat\$4 referenc\$3 dereferenc\$3) same memory) and array) and instance\$1) and (bit\$1 byte\$1)) and class\$2) and hash\$3) and (activat\$3)) and (dynamic DLL)	USPAT; US-PGPUB; EPO; JPO	2003/11/20 09:00
-	29711	709/\$.ccls.	USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:01
-	51	((((((((((((((((((((((((((((((((((((((USPAT; US-PGPUB; EPO; JPO	2003/11/19 15:02
-	3815	709/203.ccls.	USPAT; US-PGPUB; EPO; JPO	2003/11/20 10:00
- :,	74	709/311.ccls.	USPAT; US-PGPUB; EPO; JPO	2003/11/20 08:00
-	74	709/311.ccls.	USPAT; US-PGPUB; EPO; JPO	2003/11/20 08:01
-	99	709/312.ccls.	USPAT; US-PGPUB; EPO; JPO	2003/11/20 08:01

- 315 709/313.ccls.	::01 ::01 ::01 ::03 ::04 ::04 ::04
- 627 709/315.ccls. USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JP	::01 ::01 ::03 ::04 ::04 ::04
- 258 709/316.ccls. 2003/11/20 08 USPAT; US-PGPUB; EPO; JPO USPAT; US-	:01 :03 :04 :04 :05
- 84 709/332.ccls. - 32 709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls.) - 99 709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls.) - 83 (709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3) ((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory - 38 (((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory - ((((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - ((((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/315.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - (((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/315.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - (((709/203.ccls. and (709/311.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic (array\$1 cach\$3 point\$3)) and memory (array\$1 cach\$3 point\$3)) and (array\$1 cach\$3 point\$3)) and (array\$1 cach\$3 point\$3)) and (array\$1 cach	:03 :04 :04 :05
- 32 709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls.) - 99 709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.) - 83 (709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. US-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/311.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/311.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/311.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/311.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/315.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/315.ccls. 709/312.ccls. 105-PGPUB; EPO; JPO USPAT; 709/313.ccls. 709/315.ccls. 709/315.c	:04 :04 :05
- 99 709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.) - 83 (709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3) - 71 (709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory - 38 (((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - ((((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - ((((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - ((((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (branch control cont	:04
- 83 (709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3) - 71 ((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory - 38 (((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - 6 ((((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic - 6 ((((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic) and (S-PGPUB; EPO; JPO)	:05
- 71 ((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory (((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic ((((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/312.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/313.ccls. 709/316.ccls. 709/312.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic) and (array\$1 cach\$3 point\$3)) and memory) and dynamic) and (array\$1 cach\$3 point\$3)) and memory) and dynamic) and (array\$1 cach\$3 point\$3))	
- 38 (((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic ((((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (array\$1 cach\$3 point\$3)) and memory) and dynamic) and (EPO; JPO)	:05
- 6 ((((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. USPAT; US-PGPUB; (array\$1 cach\$3 point\$3)) and memory) and dynamic) and EPO; JPO	I
i hook@2	:06
hash\$3 - 6 ("6141686" "6279001" "6314463" "6317786" "6330677" USPAT 2003/11/20 08 "6453320").PN.	:10
- 4 6330677.URPN. - 6 ("6141686" "6279001" "6314463" "6317786" "6330677" USPAT USPAT USPAT USPAT USPAT USPAT 2003/11/20 08 2003/11/20 08	
- 1 6453320.URPN. - 6 ("6141686" "6279001" "6314463" "6317786" "6330677" USPAT	
- 84816 (709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) (stor\$3 US-PGPUB; retriev\$3 updat\$3) near5 object\$1	:17
- 57 (709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and US-PGPUB; (stor\$3 retriev\$3 updat\$3) near5 object\$1 US-PGPUB;	:00
- 8 ((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (US-PGPUB; (stor\$3 retriev\$3 updat\$3) near5 object\$1) and (memory array) EPO; JPO	:23
same (dynamic DLL) - 4 ((709/203.ccls. and (709/311.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and (stor\$3 retriev\$3 updat\$3) near5 object\$1) and (memory same EPO; JPO	:24
(bit\$1 byte\$1)) - 7 ((709/203.ccls. and (709/311.ccls. 709/311.ccls. 709/312.ccls. USPAT; 2003/11/20 08 709/313.ccls. 709/315.ccls. 709/316.ccls. 709/332.ccls.)) and US-PGPUB;	:24
(stor\$3 retriev\$3 updat\$3) near5 object\$1) and hash\$3 - 33 ("4752928" "5093914" "5125091" "5151987" "5168441" USPAT 2003/11/20 08 - "5179702" "5212793" "5315703" "5442791" "5459837" "5485617" "5674238" "5574018" "5577251" "5577620"	:28
"5485617" "5524238" "5574918" "5577251" "5579520" "5687370" "5689708" "5752038" "5765174" "5790789" "5802291" "5838916" "5881225" "5884316" "5890161" "5907675" "5941947" "5958004" "5958010" "6014666"	
- 25 5884316.URPN. C 4660142" "5446901" "5615362" "5765174" "5802367" USPAT 2003/11/20 08	
- 25 5884316.URPN. USPAT 2003/11/20 08	.42

-	11	("5327562" "5339438" "5442793" "5566302" "5600838" "5768588" "5794038" "5794041" "5884316" "5907707"	USPAT	2003/11/20 08:44
	_	"6044380").PN.		
-	8	5600838.URPN.	USPAT	2003/11/20 08:47
-	11	("5327562" "5339438" "5442793" "5566302" "5600838" "5768588" "5794038" "5794041" "5884316" "5907707" "6044380").PN.	USPAT	2003/11/20 08:47
	8	5600838.URPN.	USPAT	2003/11/20 08:49
-	0	6385660.URPN.	USPAT	2003/11/20 08:49
-	15	("5297284" "5361350" "5442793" "5485617" "5522071"	USPAT	2003/11/20 08:49
-	15	"5600838" "5701485" "5754862" "5771384" "5774723" "5794044" "5884316" "5907707" "5960197" "5987529").PN.	USPAT	2003/11/20 08.49
-	25	5884316.URPN.	USPAT	2003/11/20 08:51
-	31	("4930129" "5057997" "5204663" "5204897" "5446901" "5452431" "5481715" "5544246" "5594227" "5649118" "5721781" "5742756" "5768385" "5781723" "5802519"	USPAT	2003/11/20 08:51
		"5884316" "5894550" "5912453" "5930363" "6052690" "6094656" "6173391" "6182158" "6212633" "6220510" "6233683" "6233688" "6292874" "6308317" "6349336" "6373950").PN.		
_	25	5884316.URPN.	USPAT	2003/11/20 08:56
-	0	709/\$.ccls	USPAT; US-PGPUB; EPO; JPO	2003/11/20 08:59
-	29815	709/\$.ccls.	USPAT; US-PGPUB;	2003/11/20 08:59
-	5704	709/\$.ccls. and (stor\$3 retriev\$3 updat\$3) near5 object\$1	EPO; JPO USPAT; US-PGPUB;	2003/11/20 09:00
-	1836	(709/\$.ccls. and (stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (memory array)	EPO; JPO USPAT; US-PGPUB;	2003/11/20 09:01
-	363	((709/\$.ccls. and (stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (memory array)) and hash\$3	EPO; JPO USPAT; US-PGPUB;	2003/11/20 09:01
-	208	(((709/\$.ccls. and (stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (memory array)) and hash\$3) and (dynamic	EPO; JPO USPAT; US-PGPUB;	2003/11/20 09:03
-	155	instance) near3 object\$1 ((((709/\$.ccls. and (stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (memory array)) and hash\$3) and (dynamic	EPO; JPO USPAT; US-PGPUB;	2003/11/20 09:06
-	66	instance) near3 object\$1) and cach\$3 (((((709/\$.ccls. and (stor\$3 retriev\$3 updat\$3) near5 object\$1) and point\$3 same (memory array)) and hash\$3) and (dynamic	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:02
-	1248	instance) near3 object\$1) and cach\$3) and client\$1server\$1 709/201.ccls.	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:01
-	235	709/203.ccls. and 709/201.ccls.	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:01
-	99	(709/203.ccls. and 709/201.ccls.) and client\$1server\$1	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:03
-	11	(709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same session\$1	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:03
-	7	((709/203.ccls. and 709/201.ccls.) and client\$1server\$1) and session\$1 same memory	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:03
-	29	(709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same object\$1	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:06
-	11	((709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same object\$1) and session\$1	EPO; JPO USPAT; US-PGPUB; EPO; JPO	2003/11/20 10:04

74	709/311.ccls. and (709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.)	USPAT; US-PGPUB;	2003/11/20 10:06
1063	709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.	USPAT; US-PGPUB;	2003/11/20 10:06
957	(709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page)	USPAT; US-PGPUB;	2003/11/20 10:07
966	(709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3)	USPAT; US-PGPUB;	2003/11/20 10:07
981	(709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)	USPAT; US-PGPUB;	2003/11/20 10:07
425	((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3	USPAT; US-PGPUB;	2003/11/20 10:08
249	(((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3	USPAT; US-PGPUB;	2003/11/20 10:09
246	((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3	USPAT; US-PGPUB;	2003/11/20 10:09
146	(object\$1 class\$2) (((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls.	USPAT;	2003/11/20 10:11
2	same (allocat\$4 referenc\$3 activat\$3)) and dynamic) and (object\$1 class\$2)) and database (((709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same	EPO; JPO USPAT;	2003/11/20 10:10
	709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3	EPO; JPO	
2	(((709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same object\$1) and session\$1) and ((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page	USPAT; US-PGPUB; EPO; JPO	2003/11/20 10:10
0	activat\$3)) and dynamic) and (object\$1 class\$2)) ((709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same session\$1) and ((((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array))	USPAT; US-PGPUB; EPO; JPO	2003/11/20 10:13
47	and (object\$1 class\$2)) and hash\$3) (((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3	USPAT; US-PGPUB; EPO: JPO	2003/11/20 10:12
2	(object\$1 class\$2)) and hash\$3 ((709/203.ccls. and 709/201.ccls.) and client\$1server\$1 same session\$1) and (((709/311.ccls. 709/311.ccls. 709/312.ccls.	USPAT; US-PGPUB;	2003/11/20 10:13
2	and point\$3 same (allocat\$4 referenc\$3 activat\$3)) ((709/203.ccls. and 709/201.ccls.) and client\$1server\$1) and (((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls.	USPAT; US-PGPUB;	2003/11/20 10:13
3	same (allocat\$4 referenc\$3 activat\$3)) (709/203.ccls. and 709/201.ccls.) and (((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and	USPAT; US-PGPUB;	2003/11/20 10:14
. 8	referenc\$3 activat\$3)) (709/203.ccls. and 709/201.ccls.) and ((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and	USPAT; US-PGPUB;	2003/11/20 10:14
30	(memory page cach\$3 array)) 709/203.ccls. and (((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array))	EPO; JPO USPAT; US-PGPUB;	2003/11/20 10:15
	1063 957 966 981 425 246 146 2 2 2 2 3	709/315.ccls.) 1063 709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) 957 (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page) 966 (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3) 981 (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array) 425 ((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3)) and dynamic 981 (((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/313.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3)) and dynamic 982 ((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/313.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3)) and dynamic) and (object\$1 class\$2) (((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3)) and dynamic) and (object\$1 class\$2) and database (((((709/201.acls. and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3)) and dynamic) and (object\$1 class\$2) and database ((((709/203.ccls. and 709/201.ccls.) and client\$1 server\$1 same object\$1) and session\$1) and ((((((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/313	709/315.ccls.) 1063 709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page) 966 (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page) 970 (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3) 981 (709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3) 984 ((709/311.ccls. 709/311.ccls. 709/312.ccls. 709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3) and dynamic ((709/311.ccls. 709/315.ccls.) and (memory page cach\$3 array)) and point\$3 same (allocat\$4 referenc\$3 activat\$3)) and dynamic) and (object\$1 class\$2)) and database (((709/203.ccls. and 709/201.ccls.) and client\$1 server\$1 same object\$1 and session\$1 and ((((709/311.ccls. 709/312.ccls. 709/312.ccls. 709/312.ccls. 709/312.ccls. 709/313.ccls. 709/312.ccls. 709/313.ccls. 709/312.ccls. 709/313.ccls. 709/312.ccls. 709/313.ccls. 709/312.ccls. 709/313.ccls. 70

		·		
-	1	(709/203.ccls. and (((709/311.ccls. 709/311.ccls. 709/312.ccls.	USPAT;	2003/11/20 10:20
		709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array))	US-PGPUB;	
		and point\$3 same (allocat\$4 referenc\$3 activat\$3))) and hash\$3	EPO; JPO	
-	30	(709/203.ccls. and (((709/311.ccls. 709/311.ccls. 709/312.ccls.	USPAT;	2003/11/20 10:22
		709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array))	US-PGPUB;	
		and point\$3 same (allocat\$4 referenc\$3 activat\$3))) and stor\$3	EPO; JPO	
_	24		USPAT;	2003/11/20 10:23
		709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array))	US-PGPUB;	
	•	and point\$3 same (allocat\$4 referenc\$3 activat\$3))) and stor\$3)	EPO: JPO	
		and (retriv\$3 load\$3)	· ·	
-	11	(((709/203.ccls. and (((709/311.ccls. 709/311.ccls. 709/312.ccls.	USPAT:	2003/11/20 10:57
		709/313.ccls. 709/315.ccls.) and (memory page cach\$3 array))	US-PGPUB;	
		and point\$3 same (allocat\$4 referenc\$3 activat\$3))) and stor\$3)	EPO; JPO	
		and (retriv\$3 load\$3)) and session\$1		
-	0	6253282.URPN.	USPAT	2003/11/20 10:27
-	12	("4897781" "5287504" "5287507" "5423042" "5452447"	USPAT	2003/11/20 10:27
		"5542078" "5546583" "5553282" "5608909" "5634122"		
		"5768510" "5848246").PN.		
- .	0	("22010047436").PN.	USPAT;	2003/11/20 10:58
			US-PGPUB;	
			EPO; JPO	
-	1	("20010047436").PN.	USPAT;	2003/11/20 10:58
			US-PGPUB;	
			EPO; JPO	